

Abstract

A fuseless power supply regulator circuit is provided for a gate security system. The circuit has sub-circuitry and components to monitor current levels of current from an unregulated power supply and to stop the follow of current into the circuit when the unregulated supply is providing an excessive amount of current and/or the gate security system is drawing an excessive amount of current as a result of a short or otherwise. The sub-circuitry continues to monitor current levels of current coming from the unregulated power supply and when the current levels drop to acceptable levels reopens the main circuit and allows current to flow into the power supply regulation circuit and on into the power supply circuit.